DXCC • WAZ

SO. CALIF DX CLUB

Bulletin

MAY 1985

President: Marty Woll, N6VI * Vice President: Dan Davitt, N6CGB *
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SCDXC Repeater 145.48 MHz, Trans -600 KHz. DX Net: Thursdays, 7:30 PM

NEXT MEETING: 7:30 PM THURSDAY MAY 9, DWP CAFETERIA, 111 N. HOPE ST.

MAY MEETING

Skip Bolnick, KJ6Y, will talk about the installation of antennas and towers from the "nuts and bolts," practical standpoint. He will provide insight into pitfalls to be avoided. A question and answer forum will follow.

RED CHECKMARK PROBLEMS
By Esther Wolf, KB6HW, Treasurer

Charter members and a few other individuals had there April Bulletins marked in error with a red checkmark. Many of you saw me at the Convention and I have corrected the problems. No, your charter membership has not expired or been revoked. Seriously, I enjoyed the opportunity to meet so many charter members. Several complemented the Bulletin and expressed their desire not to miss a single issue.

MEMBERSHIP RENEWAL

Those who failed to renew their SCDXC membership will receive a postcard notice this month instead of the Bulletin.

REPEATER NEWS

The repeater is back up on the mountain. Intermod is the next problem to be solved. Until then, the PL will continue to be required during the week. The Club is still looking for a better repeater site.

MEETING FACILITY SEARCH CONTINUES

The DWP facilities will not be available after June. A search continues for a new meeting location. The member who locates the facility which is selected to replace the current meeting place will receive a nice prize (Board of Directors excluded). Contact any Board member for details.

INTERNATIONAL DX CONVENTION
By Chris Williams KG6AR Secretary

The 1985 Convention was held at the Centre Plaza Holiday Inn in Fresno. This is a fairly new hotel and the facilities, except for parking, were excellent. There were approximately 500 DXers present and the highlight was the slide presentation by the recently returned Clipperton DXpedition crew. The Banquet was capped by our own Jim Stevenson, KM6B, winning the pre-registration prize of a Kenwood TS-930S. John Attaway presented two CQ Magazine Hall of Fame awards - one to Herb Becker, W6QD, and the other to Ron Wright, ZL1AMO. The Sunday Breakfast featured a slide presentation by W6ZM of his trip through the South Pacific.

SCDXC MEMBER AWARDS AT FRESNO

N6RJ - 1984 DXer of the Year
NQ6N - 1983/84 Clipperton Award
NG6W - 1982/83 Clipperton Award

1984 ARRL
N6RJ - World High All Band Phone Single Op (ZF2FL)
KM6B - High Single Op Phone
W6TMD - High Single Op CW
K6OKW - High Multi-Op Phone
WB6ZHT - High Multi-Op CW

1983 CQ
N6AA - World High All Band CW Single Op (9Y4VT)
N6AW - High USA Single Band 7CW Single Op (W6AM)
N6NI - High USA Single Band 21Ph Single Op (W6YA)
W6YA - High Single Op Phone
N6AW - High Single Op CW (W6AM)
W6TMD - High Multi-Op Phone
W6TMD - High Multi-Op CW

HIGH COMBINED ARRL AND CQ Ph & CW
KM6B - Single Op > 2 million pt
W6TMD - Multi-Op > 2 million pt

OVER 1 MILLION POINT AWARDS
KM6B - 1984 ARRL Phone
W6TMD - 1983 CQ Phone
W6TMD - 1983 CQ CW

LETTER TO THE EDITOR:

I read the article by Tom Hoyne, N6NI, in which he expressed his views concerning list operations. Everybody has a right to their own opinion concerning lists and nets, and I feel I have the right to express my own opinion as well.

Firstly, lists and nets are here to stay, for the basic reason that many foreign amateurs prefer to operate that way, rather than being driven off the frequency by an uncontrolled bedlam. Amateurs with big "super-duper" antenna arrays who want to "work it on their own" rather than ask for help prove absolutely nothing except that they may be putting a better signal over a multitude of others with lesser equipment, or moreover, lesser affluence.

I might add further, some extra-class operators are the biggest offenders on the DX bands, when it comes to good operating ethics or tactics, at a time when they should be exemplary in conduct.

Amateur radio was never designed to support any form of egoism, jealousy, or bigotry, even though this manifests itself many times on the bands. It is a hobby, a great fraternity, and when used in the right way, it is one of God's greatest gifts to mankind. The fact that a particular individual can put a louder signal somewhere on the earth than a lot of others doesn't necessarily mean that he or she is a better operator, or even that he or she is more "skilled".

The truly good operators are the ones who show courtesy and consideration to others operating on the band, instead of trying to blast somebody off the frequency with untimely remarks and untimely calls, to the disgust of all who listen. To have superior equipment is well and good, but to use it prudently instead of selfishly is in the true essence of amateur radio!

73
John Harris, W6MUM

THE AMATEUR'S CODE

ONE

The Amateur is Considerate...He never knowingly uses the air in such a way as to lessen the pleasure of others.

TWO

The Amateur is Loyal...He offers his loyalty, encouragement and support to his fellow radio amateurs, his local club and to the American Radio Relay League, through which Amateur Radio is represented.

THREE

The Amateur is Progressive...He keeps his station abreast of science. It is well-built and efficient. His operating practice is above reproach.

FOUR

The Amateur is Friendly...Slow and patient sending when requested, friendly advice and counsel to the beginner, kindly assistance, cooperation and consideration for the interests of others; these are marks of the amateur spirit.

FIVE

The Amateur is Balanced...Radio is his hobby. He never allows it to interfere with any of the duties he owes to his home, his job, his school, or his community.

SIX

The Amateur is Patriotic...His knowledge and his station are always ready for the service of his country and his community.

- PAUL M. SEGAL

(Reprinted from: "The ARRL 1985 Handbook for the Radio Amateur")

The Radio Amateur's Handbook

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OCTOBER 1984
INFORMATION UPDATE

by W. E. Bip Bachman, W6BIP, with information supplied by Bob Marchand, K6HQL, Engineering, Pacific Bell.

A new RF filter module SKU# 52710 (consisting of inductances) which can be plugged into the telephone jack is now sold by AT&T at the National Service Center, St. Louis, Mo., phone 800-222-3111. The filter sells for $8.95 plus $.58 Calif. sales tax and $4.75 shipping and handling. They will ship one or more filters for the $4.75 shipping and handling. (Some day they will be available at all AT&T phone sales centers.)

Compensation networks (listed below) #425J and 4010E are no longer manufactured.

Compensation network (without varistors) #4228D is available for the series 500, 700, 1500, 1600, 1700, 2500, and 2700 phones. Bell system ordering information is COM CODE 102-390-150 listed in Product Ordering and Service Guide dated Oct. 1984.

Compensation network (without varistors) #4228J is available for some series 900 phones. Bell system ordering information is COM CODE 103-390-200 listed in Product Ordering and Service Guide dated Oct. 1984.

Bell System Practice 500-150-100 has installation instructions for the compensation networks and RFI mitigation procedures.

The above information is supplied because many Bell system employees will look up their computer parts list for the #4228D/J networks and find them not listed, therefore advise you they are not available.

Telephone Interference

Because of a change in FCC rules, subscribers increasingly own their telephone instruments, leasing only the lines from the telephone company. Interference-prevention measures to the instrument are the owner's responsibility. If a fault occurs in the line, the telephone company must make the necessary repairs. Responsible instrument manufacturers should provide necessary modifications to minimize RFI.

Telephone interference may be cured by connecting a bypass capacitor (about 0.001 μF) across the microphone unit in the telephone handset. The telephone companies have capacitors for this purpose. When such a case occurs, get in touch with the repair department of the phone company, giving the particulars. Section 500-150-100 of the Bell System Practices *Plant Series* gives detailed instructions; for the General Telephone System, refer to General System Practices *Engineering — Plant Series* Section 471-150-200. This section discusses causes and cures of telephone interference from radio signals. It points out that interference can come from corroded connections, unterminated loops, and other sources. It correctly points out that the rf can be picked up on the drop wire coming into the house, and also on the wiring within the house, but the rf detection usually occurs inside the phone. The detection usually takes place at the varistors in the compensation networks, and/or at the receiver noise suppressor and the carbon microphone. But interference suppression should be handled two ways: Prevent the rf from getting to the phone, and prevent it from being rectified.

The telephone companies (Bell System) have two devices for this purpose. The first is a 40BA capacitor, which is installed at the service entrance protector, and the second is the 1542A inductor, which is installed at the connector block. According to the practices manual, the 40BA bypasses rf picked up on the drop wire coming into the house from the phone, and the 1542A suppresses rf picked up on the inside wiring. These are mentioned because in very stubborn cases they may be necessary. But the telephone should be modified first.

Since there are several different series of phones, they will be discussed separately: 500 series — These are the desk and wall phones most commonly in use. They come in several different configurations, but all use 425-series compensation network. The letter designation can be A, B, C, D, E, F, G or K, and all these networks contain varistors. The network should be replaced with a 4228D, in which the varistors are replaced by resistors. Also, 0.01-μF disc-ceramic capacitors should be placed across the receiver suppressor. The suppressor is a diode across the receiver terminals. The carbon microphone in the handset should be bypassed with a 0.01-μF ceramic capacitor.

Series 1500, 1600, 1700 — These are the "Touch-Tone" phones, and the cure is similar to that for the 500 series, except that the network is a 4010B or -D, and should be replaced with a 4010E.

Trimline series — These are the "Princess" series phones. The practice manual says that these should be modified by installing bypass capacitors across *all* components in the set which may act as demodulators. This statement is rather vague, but evidently the telephone company is aware of a solution.

At the end of section 500-150-100 is an ordering guide for special components and sets, as follows:

Ordering Guide

Capacitor, 40BA
Inductor, 1542A
-49 Gray, -50 Ivory
Set, Telephone, -rf Modified
Set, Telephone Hand, 220A, -rf Modified
Set, Telephone Hand, 2220B, -rf Modified
Set, Hand G, -rf Modified
Dial — (Touch-Tone dial only), -rf Modified.

The type "G" handset is the one used with the 500 and Touch-Tone series phones. Also, Mountain Bell has put out an "Addendum 500-150-100MS, Issue A, January 1971" to the practices manual, which states that items for rf modified phones should be ordered on nonstock form 3218, as follows:

(Telephone Set type)
Modified for BSP 500-150-100
for Radio Signal Suppression

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COMING DX ATTRACTIONS

SV5 RHODES. K7VAY/SV5 plans June/July low power CW operation.

SV9 CRETE. DL7FT/SV9, Frank, confirmed May 12-24, SSB only.

TT CHAD. G3KQL in TT in May, hopes for license, returns in June.

VP9 BERMUDA. K8PYD, KA8HOK, and KA8IIC May 1-13. All bands Ph & CW.

XT UPPER VOLTA. Rumor of operation by VE3CRD until May 31.

XX MACAO. XX9UT April 27 - May 8 by JAs, mostly low bands, Ph & CW.

ZC4 SOVEREIGN BASES. ZC4Z?? May 3-15 by G4SDJ and G4RFV, mostly SSB.

4U1 I.T.U. GENEVA. 4U1ITU May 3-5 by F6EYS and F6HIX. QSL to F6EYS.

4U1 I.T.U. VIENNA. 4U1VIC by WD9GSD May 22 - July 10.

CONTINUING DX ATTRACTIONS

BY CHINA. BY4AA reported near 3795 around 1200.

CEO EASTER ISLAND. CEOZIJ on low end 40 CW daily from 0200.

J5 GUINEA/BISSAU. J5WAD continues active until November.

KC6 E. CAROLINES. KC6JC near 3806 most days 08-1100. QSL to CBA.

UA1 FRANZ JOSEF LAND. UA1OT, UW3HY/1, and EO1AOK all active.

VKO MACQUARIE. VKOGC active on 75 meter SSB from 08-1230 near 3795.

VR6 PITCAIRN. ZL4DW/VR6AB reportedly for two months, Saturdays best.

ST SUDAN. DL8YR/ST2 reported from Europe on 20 CW at 18-1900.

SV9 CRETE. SVODV/9 (WOPU) on 7003 at 0230. QSL via WB4TDB.

3B9 RODRIGUES. 3B9CD reported there until June.

3X REPUBLIC OF GUINEA. DL7AH/3X until mid-May, active 20 and 40 CW.

4K SOUTH SHETLANDS. 4K1F active there on 20 and 40 CW.

7X2 ALGERIA. 7X2LS often near 14183 from 2000. QSL to CBA.

ACTIVITY REPORTS

A35EA	14026	0127	3/23	TU2FI	14026	2324	3/12
EA8BEX	14030	2005	3/6	T77C	14030	1604	3/29
FOOXX	3797	0829	4/7	UH8EAA	14216	1629	4/12
FOOXX	7075	0430	4/8	UJ8JCQ	14167	0340	4/13
FOOXX	28596	2037	4/8	UL8LWZ	14217	0250	4/13
FOOXX	14026	0002	4/9	VK6HD	3797	1353	4/14
ISOCSX	14154	1502	4/18	VK9XB	3797	1314	4/6
I3CAT	14053	1732	3/14	VU2GDG	14170	1539	4/18
JW5E	14025	2110	3/29	V3C	3791	0510	4/25
J73RM	14054	0040	4/1	XF4MDX	7069	0311	4/22
K5LZO/KP5	14025	1703	3/8	Y32KE	14032	1640	3/14
K5LZO/KP5	7025	0311	3/9	ZP5LOY	14043	0022	3/17
LU9AGA	21080	1838	3/13	3A2TO	14224	1625	4/12
OK2BDP	14040	1703	3/11	6Y5NR/KP1	3789	0407	4/7
OX3UD	14039	1635	4/6	9U5JB	14200	2150	4/18
FE5RV/TK	14195	1509	4/15	9M2RT	7086	1457	4/8
TK5UC(FC)	14195	1557	4/15	9Y4F	14032	1810	3/2

Al, K6YRA, reports the following band countries worked on SSB: 75 - 192; 40 - 220; 20 - 342; 15 - 305; 10 - 288.

CONTRIBUTORS: K6YRA, KD6JD, DX Report, QRZ DX, The DX Bulletin, and The Long Island DX Bulletin.

COMING CONTESTS WITH DX INTEREST

May 11-12 USSR CQ-M Contest
May 25-26 CQ WW WPX CW Contest
Jun 15-16 All Asian Phone Contest
Jul 13-14 IARU Radiosport
Aug 10-11 European CW Contest
Aug 24-25 All Asian CW Contest
Sep 14-15 European Phone Contest
See details in the Contest Calendar of CQ Magazine.

MAY PROPAGATION FORECAST

Courtesy of CQ Magazine.
AHLBD-Above,High,Low,Below,Disturb

1-D	8-A	15-H	22-L	29-B
2-B	9-H	16-A	23-L	30-L
3-L	10-L	17-H	24-H	31-L
4-L	11-L	18-L	25-L	
5-H	12-H	19-B	26-A	
6-L	13-L	20-B	27-H	
7-H	14-L	21-L	28-B	

FOR SALE:

HAL RS-2100 RTTY Scope with manual and connectors. Used 50 hours. Price $225. Contact Irv Emig, W6GC, 213-545-5970.

MININEC SOFTWARE AVAILABLE

Wayne Overback, N6NB, has converted the MININEC antenna modeling program to MS-DOS (IBM PC and compatibles). N6VI has a copy and will furnish it on diskette if you supply the diskette (and postage if applicable). MININEC is also available in Apple format.

CE0AA QSL CARDS

Wait until after May 15 for your QSL cards. If no card by then, write a letter explaining all facts with a request for clarification of status. Mail to Radio Club of Chile, Box 700, Santiago, Chile.

KC7UU DX PLANS

Chuck, KC7UU/??, says he has plans for DX operations in the next two years from 5U, 5A, C9, TJ and others. He expects another five or six years in his present job and will operate from DX locations as time allows.